



APPENDIX 2(a)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/629,522
Applicant: : Chu et al.
Filed: : July 28, 2003
Group Art Unit : 1642
Examiner: : Not assigned
For: NEW TRANSFECTION
REAGENTS
Docket No. : 61-03A
Customer No. : 23713

Confirmation No.: 6873

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 EV 437 337 891 US	
On 5/4/04	<i>L Murray</i> Lea Murray

INFORMATION DISCLOSURE STATEMENT

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The Examiner is respectfully requested to consider the Information Disclosure Statement submitted by Applicants in U.S. serial number 09/438,365 filed November 12, 1999, from which the above-referenced application takes priority under 35 U.S.C. §120. Further, Applicants respectfully direct the Examiner's attention to any other items cited by the Examiner during the prosecution of the patent application serial number 09/438,365. It is believed unnecessary under 37 C.F.R. '1.98(d) to submit copies of these previously submitted or cited items which are listed on the enclosed Form 1449.

The Examiner's attention is drawn to the following commonly-owned, unpublished patent applications which may be considered to contain relevant subject matter: U.S. patent application serial no. 09/937,837, filed January 7, 2002 (Atty. docket 20-03); U.S. patent application serial no. 09/326,106, filed June 4, 1999 (Atty. docket no. 45-93A); and U.S. patent application serial no. 10/762,914, filed January 21, 2004 (Atty. docket no. 60-93E). Copies of these applications were previously submitted during prosecution of patent application serial number 09/438,365.

It is believed unnecessary under 37 C.F.R. 1.98(d) to submit copies of these previously submitted or cited items which are listed above or on the enclosed PTO-1449 forms or Electronic Information Disclosure Statements.

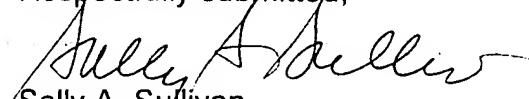
Where a month of a reference is not listed, the year of publication is sufficiently earlier than the effective U.S. filing date so that the particular month of publication is not an issue.

This information is cited in a spirit of forthrightness and cooperation to enable the applicants to obtain that measure of protection for the invention to which there is entitlement. However, no representation is made that the listed art actually qualifies as

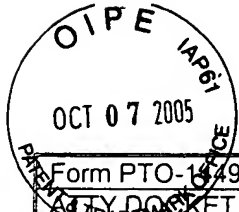
prior art under the patent statute and the mere use of PTO-1449 is not an admission that all listed references are prior art. No representation is made that applicants know of the best art.

It is believed that this submission does not require the payment of any fees. If this is incorrect, however, please deduct the appropriate fee from deposit account 07-1969.

Respectfully submitted,


Sally A. Sullivan
Reg. No. 32,064

GREENLEE, WINNER AND SULLIVAN, P.C.
5370 Manhattan Circle, Suite 201; Boulder, CO 80303
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Attorney Docket No. 61-03A
lem:May 4, 2004



Form PTO-1449

ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.	GROUP 1642	

U.S. PATENT DOCUMENTS

Exmr. Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	6,093,564	07/25/2000	Budowsky et al.	C12N	7/06	

FOREIGN PATENT DOCUMENTS

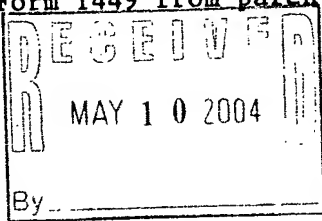
Document Number	Date	Country	Class	Subclass	Translation Yes/No
WO 98/29541	09/07/1998	PCT	C12N	15/00	

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

APPENDIX 2 (6)

PLEASE ACKNOWLEDGE RECEIPT OF THE FOLLOWING:

Information Disclosure Statement - 2 pages
Copies of Form 1449 from parent case - 113 pages



in re USSN 10/629,522
Attorney docket no. 61-03A
SAS:lem:5/4/04

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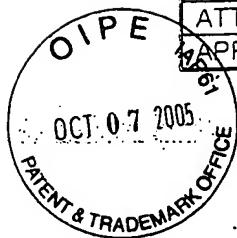
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INFORMATION DISCLOSURE STATEMENT				APPLICANT Chu et al.			
				FILING DATE November 12, 1999		GROUP To be assigned	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA2	5,545,412	08/13/1996	Eppstein et al.	424	450	04/03/1995
	AB2	5,550,289	08/27/1996	Eppstein et al.	564	293	04/03/1995
	AC2	5,589,466	12/31/1996	Felgner et al.	514	44	01/26/1995
	AD2	5,667,774	09/16/1997	Figuly, G.D.	424	78.08	11/07/1996
	AE2	5,674,908	10/07/1997	Haces et al.	514	642	12/20/1993
	AF2	5,703,055	12/30/1997	Felgner et al.	514	44	01/26/1994
	AG2	5,705,385	01/06/1998	Bally et al.	435	320.1	06/07/1995
	AH2	5,719,131	02/17/1998	Harris et al.	514	44	10/20/1995
	AI2	5,736,392	04/07/1998	Hawley-Nelson et al.	435	320.1	06/04/1996
	AJ2	5,753,613	05/19/1998	Ansell et al.	514	2	05/16/1995
	AK2	5,783,565	07/21/1998	Lee et al.	514	44	02/01/1996

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	2	Fukunaga, M. et al., "Liposome Entrapment Enhances the Hypocalcemic Action of Parenterally Administered Calcitonin," <i>Endocrinol.</i> 115:757-761 (1984).	
AS	2	Gao, X. and Huang, L., "A Novel Cationic Liposome Reagent for Efficient Transfection of Mammalian Cells," <i>Biochem. Biophys. Res. Comm.</i> 179:280-285 (August 1991).	
AT	2	Hart, S.L. et al., "Lipid-Mediated Enhancement of Transfection by a Nonviral Integrin-Targeting Vector," <i>Hum. Gene Ther.</i> 9:575-585 (March 1998).	

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 0942,4650001		APPLICATION NO. 09/438,365	
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA3	5,783,566	07/21/1998	Mislick, K.A.	514	44	05/10/1996
	AB3	5,785,992	07/28/1998	Ansell et al.	424	450	09/29/1995
	AC3	5,795,587	08/18/1998	Gao et al.	424	450	01/23/1995
	AD3	5,830,430	11/03/1998	Unger et al.	424	1.21	02/21/1995
	AE3	5,830,878	11/03/1998	Gorman et al.	514	44	06/07/1995
	AF3	5,834,439	11/10/1998	Haces et al.	514	42	01/13/1997
	AG3	5,837,283	11/17/1998	McDonald et al.	424	450	03/12/1997
	AH3	5,840,710	11/24/1998	Lee et al.	514	44	10/20/1995
	AI3	5,908,635	06/01/1999	Thierry, A.	424	450	08/05/1994
	AJ3	5,935,936	08/10/1999	Fasbender et al.	514	44	06/03/1996
	AK3	5,948,925	09/07/1999	Keynes et al.	552	540	05/06/1997
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	3	Kim, S. et al., "Preparation of Multivesicular Liposomes," <i>Biochim. Biophys. Acta</i> 728:339-348 (1983).				
	AS	3	Mayer, L.D. et al., "Vesicles of variable sizes produced by a rapid extrusion procedure," <i>Biochim. Biophys. Acta</i> 858:161-168 (1986).				
	AT	3	Mayhew, E. et al., "Characterization of Liposomes Prepared Using a Microemulsifier," <i>Biochim. Biophys. Acta</i> 775:169-174 (1984).				
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	AA4	5,948,767	09/07/1999	Scheule et al.	514	44	07/12/1996
	AB4	5,962,533	10/05/1999	Bergeron, Jr., R.J.	514	674	02/06/1996
	AC						
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	4	Olson, F. et al., "Preparation of Liposomes of Defined Size Distribution by Extrusion Through Polycarbonate Membranes," <i>Biochim. Biophys. Acta</i> 557:9-23 (1979).				
	AS	4	Rosenthal, A.F. and Geyer, R.P., "A Synthetic Inhibitor of Venom Lecithinase A," <i>J. Biol. Chem.</i> 235:2202-2206 (August 1960).				
	AT	4	Szoka Jr., F. and Papahadjopoulos, D., "Procedure for preparation of liposomes with large internal aqueous space and high capture by reverse-phase evaporation," <i>Proc. Natl. Acad. Sci. USA</i> 75:4194-4198 (1978).				
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	2	Zhou, X. et al., "Lipophilic polylysines mediate efficient DNA transfection in mammalian cells," <i>Biochim. Biophys. Acta</i> 1065:8-14 (1991).				
	AS	2	Life Technologies Inc. catalogue, <i>Spectrum</i> , pp. 1-8 (September 1999).				
	AT						
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FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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November 12, 1999GROUP
To be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC4	5,744,335	04/28/1998	Wolff et al.	435	172.3	09/19/1995
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN1	FR 1,567,214	05/16/1969	France			Yes No
	AO1	WO 97/42819	11/20/1997	WIPO			Yes No
	AP1	EP 0 846 680 A1	06/10/1998	Europe			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR			
AS			
AT	5	Henkel und Cie. G.m.b.H., abstract no. 68522p, "Low-foaming detergents containing bisquaternary compounds," Chem. Abst. 72(14):116 (April 1970).	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

11/28/99 (MPEP 609) 11/28/99 (MPEP 609)

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FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							Yes No
	AL2	WO 98/02190	01/22/1998	WIPO			Yes No
	AM2	WO 98/40499	09/17/1998	WIPO			Yes No
	AN2	WO 98/40502	09/17/1998	WIPO			Yes No
	AO2	WO 99/29712	06/17/1999	WIPO			Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	6	McCluskie, M. et al., abstract no. 91045k, "Direct gene transfer to the respiratory tract of mice with pure plasmid and lipid-formulated DNA," Chem. Abst. 130:151 (February 1999).
AS	6	International Search Report for International Application No. PCT/US99/26825, mailed February 22, 2000.
AT		

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SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.4650001/RWE/THW

APPLICATION NO.
09/438,365

APPLICANT
CHU et al.

FILING DATE
November 12, 1999

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1643

U.S. PATENT DOCUMENTS

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AL						Yes No
AM						Yes No
AN						Yes No
AO						Yes No
AP2	WO 99/02190	01/21/1999	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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1635

U.S. PATENT DOCUMENTS

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	AM3	WO 98/19709	05/14/1998	WIPO			Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v1.8

Stylesheet Version v1.8.0

Title of Invention	New Transfection Reagents																																																																
<div style="display: flex; justify-content: space-between;"> <div> <p>Application Number: 09/438365</p> <p>Confirmation Number: 9217</p> <p>First Named Applicant: Yongliang Chu</p> <p>Attorney Docket Number: 0942.4650001</p> <p>Examiner: Janet L. Epps</p> <p>Search string: (2654785 or 3324182 or 3369905 or 4143003 or 4889953 or 4967008 or 4946787 or 5049386 or 5091576 or 5166320 or 5198423 or 5266106 or 5264618 or 5338532 or 5354844 or 5498522 or 5527524 or 5532142 or 5547932 or 5560929 or 5578475 or 5583198 or 5587441 or 5587446 or 5589392 or 5631329 or 5574142 or 5635487 or 5658776 or 5661025 or 5670347 or 5714166 or 5736387 or 5759805 or 5773527 or 5837533 or 5854224 or 5861397 or 5866613 or 5906922 or 5837092 or 2867665).pn.</p> </div> <div style="text-align: right;"> <p>*09/438365*</p> </div> </div>																																																																	
<p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>init</th> <th>Cite.No.</th> <th>Patent No.</th> <th>Date</th> <th>Patentee</th> <th>Kind</th> <th>Class</th> <th>Subclass</th> </tr> </thead> <tbody> <tr> <td></td> <td>1</td> <td>2654785</td> <td>2003-05-27</td> <td>Miescher et al.</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>2</td> <td>3324182</td> <td>1967-06-06</td> <td>De Brunner et al.</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>3</td> <td>3369905</td> <td>1968-02-20</td> <td>Jones et al.</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>4</td> <td>4143003</td> <td>1979-03-06</td> <td>Haas et al.</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>5</td> <td>4889953</td> <td>1989-12-26</td> <td>Inoue et al.</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>6</td> <td>4967008</td> <td>1990-10-30</td> <td>Friedli et al.</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>7</td> <td>4946787</td> <td>1990-08-07</td> <td>Eppstein et al.</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass		1	2654785	2003-05-27	Miescher et al.					2	3324182	1967-06-06	De Brunner et al.					3	3369905	1968-02-20	Jones et al.					4	4143003	1979-03-06	Haas et al.					5	4889953	1989-12-26	Inoue et al.					6	4967008	1990-10-30	Friedli et al.					7	4946787	1990-08-07	Eppstein et al.			
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	1	2654785	2003-05-27	Miescher et al.																																																													
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8	5049386	1991-09-17	Eppstein et al.
9	5091576	1992-02-25	Bergeron
10	5166320	1992-11-24	Wu et al.
11	5198423	1993-03-30	Taguchi et al.
12	5266106	1993-11-30	Winnik et al.
13	5264618	1993-11-23	Felgner et al.
14	5338532	1994-08-16	Tomalia et al.
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Electronic Version v1.8

Stylesheet Version v1.8.0

Title of
Invention

New Transfection Reagents

Application Number: 09/438365

09/438365

Confirmation Number: 9217

First Named Applicant: Yongliang Chu

Attorney Docket Number: 0942.4650001

Examiner: Janet L. Epps

Search string: (4235871 or 4501728 or 4683195 or 4683202 or
4737323 or 4767699 or 4800159 or 4812449 or
4837028 or 4889818 or 4962022 or 4965188 or
5047342 or 5079352 or 5165925 or 5186923 or
5187085 or 5244797 or 5264423 or 5270179 or
5276019 or 5277897 or 5286717 or 5328470 or
5328984 or 5350672 or 5374553 or 5409818 or
5436149 or 5455166 or 5484702 or 5498523 or
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5519134 or 5521291 or 5521302 or 5541307 or
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	2	4501728	1985-02-26	Geho et al.			
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Title of Invention	New Transfection Reagents																																																
<p>Application Number: 09/438365 *09/438365*</p> <p>Confirmation Number: 9217</p> <p>First Named Applicant: Yongliang Chu</p> <p>Attorney Docket Number: 0942.4650001</p> <p>Examiner: Janet L. Epps</p> <p>Search string: (5596091 or 5602240 or 5614365 or 5627159 or 5641662 or 5650096 or 5676954 or 5681944 or 5691460 or 5693509 or 5693773 or 5726298 or 5756353 or 5759778 or 5780053 or 5827703 or 5869606 or 5871929 or 5877309 or 5885970 or 5886165 or 5908777 or 5916807 or 5919772 or 5929226 or 5948614 or 5977306 or 5976567 or 5985558 or 6013448 or 6020202 or 6022950 or 6030626 or 6031086 or 6051429 or 6054439 or 6074826 or 6075012 or 6086913 or 6090627 or 6103492 or 6110662 or 6110916 or 6126965 or 6214804 or 6251390 or 6287817 or 6376248 or 6387395 or 20020028447 or 20020077305 or 20020156049).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>init</th> <th>Cite.No.</th> <th>Patent No.</th> <th>Date</th> <th>Patentee</th> <th>Kind</th> <th>Class</th> <th>Subclass</th> </tr> </thead> <tbody> <tr> <td></td> <td>1</td> <td>5596091</td> <td>1997-01-21</td> <td>Switzer</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>2</td> <td>5602240</td> <td>1997-02-11</td> <td>De Mesmaeker et al.</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>3</td> <td>5614365</td> <td>1997-03-25</td> <td>Tabor et al.</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>4</td> <td>5627159</td> <td>1997-05-06</td> <td>Shih et al.</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>5</td> <td>5641662</td> <td>1997-06-24</td> <td>Debs et al.</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass		1	5596091	1997-01-21	Switzer					2	5602240	1997-02-11	De Mesmaeker et al.					3	5614365	1997-03-25	Tabor et al.					4	5627159	1997-05-06	Shih et al.					5	5641662	1997-06-24	Debs et al.			
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Signature

Examiner Name	Date

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				FILING DATE November 12, 1999		GROUP 1635	
U.S. PATENT DOCUMENTS							
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	AO11	WO 91/17424 A1	11/14/1991	WIPO			Yes No
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	AL12	WO 92/06200 A1	04/16/1992	WIPO			Yes No
	AM12	WO 92/20697 A1	11/26/1992	WIPO			Yes No
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	AL13	WO 94/02499 A1	02/03/1994	WIPO			Yes No
	AM13	WO 94/07899 A1	04/14/1994	WIPO			Yes No
	AN13	WO 94/08004 A1	04/14/1994	WIPO			Yes No
	AO13	WO 94/14475 A1	07/07/1994	WIPO			Yes No
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	AM14	WO 95/20682 A1	08/03/1995	WIPO			Yes No
	AN14	DE 44 11 588 C1	09/28/1995	Germany			Yes No X
	AO14	EP 0 684 315 B1	11/29/1995	Europe			Yes No
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	AM15	WO 96/10640 A1	04/11/1996	WIPO			Yes No
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	AO15	WO 96/32474 A1	10/17/1996	WIPO			Yes No
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL16	WO 97/05265 A1	02/13/1997	WIPO			Yes No
	AM16	WO 97/09451 A1	03/13/1997	WIPO			Yes No
	AN16	EP 0 821 059 A2	01/28/1998	Europe			Yes No
	AO16	WO 98/06736 A1	02/19/1999	WIPO			Yes No
	AP16	WO 98/32866 A1	07/30/1998	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	62	Buche, A., et al., "Effect of Organic Effectors on Chromatin Solubility, DNA-Histone H1 Interactions, DNA and Histone H1 Structures," J. Biomol. Struct. & Dynam. 11:95-119, Adenine Press (1993)	
AS	62	Cánovas, D., et al., "Osmoprotectants in Halomonas elongata: High-Affinity Betaine Transport System and Choline-Betaine Pathway," J. Bacteriol. 178:7221-7226, American Society for Microbiology (1996)	
AT	62	Cánovas, D., et al., "Isolation and Characterization of Salt-sensitive Mutants of the Moderate Halophile Halomonas elongata and Cloning of the Ecotine Synthesis Genes," J. Biol. Chem. 272:25794-25801, The American Society for Biochemistry and Molecular Biology, Inc. (October 1997)	

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL17	WO 98/47912 A1	10/29/1998	WIPO			Yes No
	AM17	WO 99/05302 A1	02/04/1999	WIPO			Yes No
	AN17	WO 99/11809 A1	03/11/1999	WIPO			Yes No
	AO17	WO 99/24559 A2	05/20/1999	WIPO			Yes No
	AP17	WO 99/41410 A1	08/19/1999	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	63	Carninci, P., et al., "Thermostabilization and thermoactivation of thermolabile enzymes by trehalose and its application for the synthesis of full length cDNA," <i>Proc. Natl. Acad. Sci. USA</i> 95:520-524, National Academy Press (January 1998)	
AS	63	Chambers, S.T., et al., "Dimethylthetin Can Substitute for Glycine Betaine as an Osmoprotectant Molecule for <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 169:4845-4847, American Society for Microbiology (1987)	
AT	63	Chen, X., et al., "A self-initiating eukaryotic transient gene expression system based on cotransfection of bacteriophage T7 RNA polymerase and DNA vectors containing a T7 autogene," <i>Nucleic Acids Res.</i> 22:2114-2120, Oxford University Press (1994)	

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							Yes No
	AL18	WO 99/46400 A1	09/16/1999	WIPO			Yes No
	AM18	WO 00/58488 A2	10/05/2000	WIPO			Yes No
	AN18	WO 00/58488 A3	01/18/2001	WIPO			Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	64	Cohen, J., "Naked DNA Points Way to Vaccines," <i>Science</i> 259:1691-1692, American Association for the Advancement of Science (1993)	
AS	64	Cotten, M., and Wagner, E., "Non-viral approaches to gene therapy," <i>Curr. Opin. Biotechnol.</i> 4:705-710, Current Biology, Ltd. (1993)	
AT	64	Deamer, D.W., and Uster, P.S., "Liposome Preparation: Methods and Mechanisms," in <i>Liposomes</i> , Marc J. Ostro, ed., Marcel Dekker, Inc., New York, NY, pp.27-51 (1983)	

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	65	Dean, N.M., and McKay, R., "Inhibition of protein kinase C- α expression in mice after systemic administration of phosphorothioate antisense oligodeoxynucleotides," <i>Proc. Natl. Acad. Sci. USA</i> 91:11762-11766, National Academy Press (1994)				
	AS	65	Elliot, G., and O'Hare, P., "Intercellular trafficking of VP22-GFP fusion proteins," <i>Gene Ther.</i> 6:149-151, Stockton Press (January 1999)				
	AT	65	Felgner, P.L., and Holm, M., "Cationic Liposome-Mediated Transfection," <i>Focus</i> 11:21-25, Life Technologies, Inc. (1989)				
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	66	Felgner, P.L.; and Rhodes, G., "Gene therapeutics," Nature 349:351-352, Macmillan Journals, Ltd. (1991)	
AS	66	Flaman, J-M., et al., "A rapid PCR fidelity assay," Nucleic Acids Res. 22:3259-3260, Oxford University Press (1994)	
AT	66	Flock, S., et al., "Osmotic Effectors and DNA Structure: Effect of Glycine on Precipitation of DNA by Multivalent Cations" J. Biomol. Struct. Dyn. 13:87-102, Adenine Press (1995)	

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	67	Flock, S., et al., "Dielectric Constant and Ionic Strength Effects on DNA Precipitation," <i>Biophys. J.</i> 70:1456-1465, Biophysical Society (1996)	
AS	67	Flock, S., et al., " ²³ Na NMR Study of the Effect of Organic Osmolytes on DNA Counterion Atmosphere," <i>Biophys. J.</i> 71:1519-1529, Biophysical Society (1996)	
AT	67	Foecking, M.K., and Hofstetter, H., "Powerful and versatile enhancer-promoter unit for mammalian expression vectors," <i>Gene</i> 45:101-105, Elsevier Science Publishers B.V. (1986)	

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	68	Frackman, S., et al., "Betaine and DMSO: Enhancing Agents for PCR," <i>Promega Notes</i> 65:27-29, Promega (February 1998)	
AS	68	Fritz, J.D., et al., "Gene Transfer into Mammalian Cells Using Histone-Condensed Plasmid DNA," <i>Hum. Gene Ther.</i> 7:1195-1404, Mary Ann Liebert, Inc. (1996)	
AT	68	Giles, R.V., "Antisense oligonucleotide technology: From EST to therapeutics," <i>Curr. Opin. Mol. Ther.</i> 2:238-252, PharmaPress, Ltd. (June 2000)	

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	AN						Yes No
	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	69	Goldman, C.K., et al., "In vitro and in vivo gene delivery mediated by a synthetic polycationic amino polymer," Nat. Biotechnol. 15:462-466, Nature America Publishing (May 1997)				
	AS	69	Gorman, C., "High Efficiency Gene Transfer into Mammalian Cells," in DNA Cloning, Vol. II, Glover, D.M., ed., IRL Press, Washington, D.C., pp. 143-190 (1985)				
	AT	69	Gouesbet, G., et al., "Characterization of the <i>Erwinia chrysanthemi</i> Osmoprotectant Transporter Gene <i>ousA</i> ," J. Bacteriol. 178:447-455, American Society for Microbiology (1996)				
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	AN						Yes No
	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	70	Gubler, U., and Hoffman, B.J., "A simple and very efficient method for generating cDNA libraries," Gene 25:263-269, Elsevier Science Publishers (1983)	
AS	70	Haensler, J., and Szoka Jr., F.C., "Polyamidoamine Cascade Polymers Mediate Efficient Transfection of Cells in Culture," Bioconj. Chem. 4:372-379, American Chemical Society (1993)	
AT	70	Harrison, G.S., et al., "Optimization of Gene Transfer Using Cationic Lipids in Cell Lines and Primary Human CD4+ and CD34+ Hematopoietic Cells," BioTechniques 19:816-821, Eaton Publishing Company (1995)	

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	AN						Yes No
	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	71	Hazinski, T.A., et al., "Localization and Induced Expression of Fusion Genes in the Rat Lung," <i>Am. J. Respir. Cell Mol. Biol.</i> 4:206-209, American Thoracic Society (1991)				
	AS	71	Hengen, P.N., "Optimizing multiplex and LA-PCR with betaine," <i>Trends Biochem. Sci.</i> 22:225-226, Elsevier Science, Ltd. (June 1997)				
	AT	71	Henke, W., et al., "Betaine improves the PCR amplification of GC-rich DNA sequences," <i>Nucl. Acids Res.</i> 25:3957-3958, Oxford University Press (October 1997)				
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	72	Keywood, S.M., "tcrRNA as a naturally occurring antisense RNA in eukaryotes," Nucleic Acids Res. 14:6771-6772, IRL Press (1986)	
AS	72	Hogrefe, H., et al., "Novel PCR Enhancing Factor Improves Performance of Pfu DNA Polymerase," Strategies 10:93-96, Stratagene Cloning Systems (August 1997)	
AT	72	Holt, C.E., et al., "Lipofection of cDNAs in the Embryonic Vertebrate Central Nervous System," Neuron 4:203-214, Cell Press (1990)	

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	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	73	Hope, M.J., et al., "Generation of Multilamellar and Unilamellar Phospholipid Vesicles," <i>Chem. Phys. Lipids</i> 40:89-107, Elsevier Scientific Publishers Ireland, Ltd. (1986)				
	AS	73	Houssier, C., et al., "Effects of Compensatory Solutes on DNA and Chromatin Structural Organization in Solution," <i>Comp. Biochem. Physiol.</i> 117A:313-318, Elsevier Science, Inc. (July 1997)				
	AT	73	Houts, G.E., et al., "Reverse Transcriptase from Avian Myeloblastosis Virus," <i>J. Virol.</i> 29:517-522, American Society for Microbiology (1979)				
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	74	Iakobashvili, R., and Lapidot, A., "Low temperature cycled PCR protocol for Klenow fragment of DNA polymerase I in the presence of proline," <i>Nucleic Acids Res.</i> 27:1566-1568, Oxford University Press (March 1999)	
AS	74	Innis, M.A., "PCR with 7-Deaza-2'-Deoxyguanosine Triphosphate," in <i>PCR Protocols: A Guide to Methods and Applications</i> , Innis, M.A., et al., eds., Academic Press, Inc., San Diego, CA, pp.54-59 (1990)	
AT	74	Instruction Manual for "GeneTrapper" cDNA Positive Selection System," Catalog No. 10356-020, GIBCO BRL, Life Technologies, Gaithersburg, MD, pp.1-26	

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	75	Iyer, R.P., et al., "The Automated Synthesis of Sulfur-Containing Oligodeoxyribonucleotides Using 3H-1,2-Benzodithiol-3-one 1,1-Dioxide as a Sulfur-Transfer Reagent," J. Org. Chem. 55:4693-4699, American Chemical Society (1990)	
AS	75	Iyer, R.P., et al., "3H-1,2-Benzodithiole-3-one 1,1-Dioxide as an Improved Sulfurizing Reagent in the Solid-Phase Synthesis of Oligodeoxyribonucleoside Phosphorothioates," J. Am. Chem. Soc. 112:1253-1254, American Chemical Society (1990)	
AT	75	Jakob, R., and Saenger, W., "Reversed-phase ion-pair chromatographic separation of ribulose 1,5-bisphosphate from 3-phosphoglycerate and its application as a new enzyme assay for RuBP carboxylase/oxygenase," FEBS Lett. 183:111-114, Elsevier Science Publishers B.V. (1985)	

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	76	Johnstone, A., and Thorpe, R., "Production of antibodies," in <i>Immunochemistry in Practice</i> , Johnstone, A., and Thorpe, R., eds., Blackwell Scientific Publications, Oxford, Great Britain, pp. 30-47, (1987)				
	AS	76	Joung, I., and Engler, J.A., "Mutations in Two Cysteine-Histidine-Rich Clusters in Adenovirus Type 2 DNA Polymerase Affect DNA Binding," <i>J. Virol.</i> 66:5788-5796, American Society for Microbiology (1992)				
	AT	76	Kondakova, N.V., et al., "Effect of Low-molecular Amines on the Conformation and Stability of the Double Helix," <i>Mol. Biol. (Mosk.)</i> 9:742-746, Izdatelstvo Nauka (1975)				
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	77	English Language Translation for Kondakova, N.V., et al., "Effect of Low-molecular Amines on the Conformation and Stability of the Double Helix," <i>Mol. Biol. (Mosk.)</i> 9:742-746, Izdatelstvo Nauka (1975) (Document AR77)	
AS	77	Kotewicz, M.L., et al., "Isolation of cloned Moloney murine leukemia virus reverse transcriptase lacking ribonuclease H activity," <i>Nucleic Acids Res.</i> 16:265-277, IRL Press, Ltd. (1988)	
AT	77	Landre, P.A., et al., "The use of cosolvents to enhance amplification by the polymerase chain reaction," in <i>PCR Strategies</i> , Innis, M.A., et al., eds., Academic Press, San Diego, CA, pp. 3-16 (1995)	

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	78	Langel, U. et al., "Cell penetrating PNA constructs," J. Neurochem. 69(suppl):S260, Abstract 3, Lippincott-Raven Publishers (July 1997)				
	AS	78	Lau, O.C., et al., "Abrogation of c-Raf expression induces apoptosis in tumor cells," Oncogene 16:1899-1902, Stockton Press (April 1998)				
	AT	78	Lawyer, F.C., et al., "High-level Expression, Purification, and Enzymatic Characterization of Full-Length Thermus aquaticus DNA Polymerase and a Truncated Form Deficient in 5' to 3' Exonuclease Activity," PCR Methods Appl. 2:275-287, Cold Spring Harbor Laboratory Press (1993)				
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	79	Le Rudulier, D. et al., "Molecular Biology of Osmoregulation," Science 224:1064-1068, American Association for the Advancement of Science (1984)	
AS	79	Li, C.-J., et al., "Nonprotein amino acids from seeds of Cycas circinalis and Phaseolus vulgaris," Phytochemistry 42:443-445, Pergamon Press (1996)	
AT	79	1995-96 GIBCO/BRL Product Catalogue and Reference Guide, pp. 19-10 and 19-12, Life Technologies, Inc. (1995)	

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	80	Liu, X., et al., "Hypoglycemia-induced c-Jun Phosphorylation Is Mediated by c-Jun N-terminal Kinase-1 and Lyn Kinase in Drug-resistant Human Breast Carcinoma MCF-7/ADR Cells," J. Biol. Chem. 272:11690-11693, The American Society for Biochemistry and Molecular Biology, Inc. (May 1997)				
	AS	80	Malin, G., and Lapidot, A., "Induction of Synthesis of Tetrahydropyrimidine Derivatives in Streptomyces Strains and Their Effect on Escherichia coli in Response to Osmotic and Heat Stress," J. Bacteriol. 179:385-395, American Society for Microbiology (1996)				
	AT	80	Maniatis, T., et al., "The Isolation of Structural Genes from Libraries of Eucaryotic DNA," Cell 15:687-701, MIT Press (1978)				
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	81		Marquet, R. and Houssier, C.; "Thermodynamics of Cation-Induced DNA Condensation," <i>J. Biomol. Struct. & Dynam.</i> 9:159-167, Adenine Press (1991)
AS	81		Mizuno, T., et al., "A unique mechanism regulating gene expression: Translational inhibition by a complementary RNA transcript (micRNA)," <i>Proc. Natl. Acad. Sci. USA</i> 81:1966-1970, National Academy Press (1984)
AT	81		Monia, B.P., et al., "Sequence-specific antitumor activity of a phosphorothioate oligodeoxyribonucleotide targeted to human C-ras kinase supports an antisense mechanism of action in vivo," <i>Proc. Natl. Acad. Sci. USA</i> 93:15481-15484, National Academy Press (1996)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	82	Murphy, A.L., and Murphy, S.J., "Catch VP22: the hitch-hiker's ride to gene therapy?" <i>Gene Ther.</i> 6:4-5, Nature Publishing Group (January 1999)	
AS	82	Mytelka, D.S., and Chamberlin, M.J., "Analysis and suppression of DNA polymerase pauses associated with a trinucleotide consensus," <i>Nucleic Acids Res.</i> 24:2774-2781, Oxford University Press (1996)	
AT	82	McCluskie, M.J., et al., "Direct Gene Transfer to the Respiratory Tract of Mice with Pure Plasmid and Lipid-Formulated DNA," <i>Antisense Nucleic Acid Drug Dev.</i> 8:401-414, Mary Ann Liebert, Inc. (October 1998)	

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U.S. PATENT DOCUMENTS							
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	81	Nabel, G.J., et al., "Direct gene transfer for treatment of human cancer," Ann. NY Acad. Sci. 772:227-231, New York Academy of Sciences (1995)	
AS	81	Nabel, G.J., et al., "Immune responses in human melanoma after transfer of an allogeneic class I major histocompatibility complex gene with DNA-liposome complexes," Proc. Natl. Acad. Sci. USA 93:15388-15393, National Academy Press (1996)	
AT	81	Neckers, L.M., "Cellular Internalization of Oligodeoxynucleotides," in Antisense Research and Applications, Crooke, S.T. and Lebleu, B., eds., CRC Press, Inc., Boca Raton, FL, pp.451-460 (1993)	

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	84		Neurath, A.R. et al., "B cell epitope mapping of human immunodeficiency virus envelope glycoproteins with long (19- to 36-residue) synthetic peptides," J. Gen. Virol. 71:85-95, Society for General Microbiology (1990)
AS	84		Niidome, T., et al., "Binding of Cationic α -Helical Peptides to Plasmid DNA and Their Gene Transfer Abilities into Cells," J. Biol. Chem. 272:15307-15312, The American Society for Biochemistry and Molecular Biology, Inc. (June 1997)
AT	84		Okayama, H., and Berg, P., "High-Efficiency Cloning of Full-Length cDNA," Mol. Cell. Biol. 2:161-170, American Society for Microbiology (1982)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	85	Panaccio, M., et al., "FOLT PCR: A Simple PCR Protocol for Amplifying DNA Directly from Whole Blood," <i>BioTechniques</i> 14:238-243, Eaton Publishing Company (1993)	
AS	85	Paterson, B.M., et al., "Structural gene identification and mapping by DNA-mRNA hybrid-arrested cell-free translation," <i>Proc. Natl. Acad. Sci. USA</i> 74:4370-4374, National Academy Press (1977)	
AT	85	Polesky, A.H., et al., "Identification of Residues Critical for the Polymerase Activity of the Klenow Fragment of DNA Polymerase I from <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 265:14579-14591, The American Society for Biochemistry and Molecular Biology, Inc. (1990)	

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	AR	86	Prochiantz, A., "Getting hydrophilic compounds into cells: lessons from homeopeptides," <i>Curr. Opin. Neurobiol.</i> 6:629-634, Current Biology, Ltd. (1996)
	AS	86	Prochiantz, A., "Peptide nucleic acid smugglers," <i>Nat. Biotechnol.</i> 16:819-820, Nature America Publishing (September 1998)
	AT	86	Rafferty, J.A., and Fletcher, H.L., "Sequence analysis of a family of highly repeated DNA units in <i>Stauroderus scalaris</i> (Orthoptera)" <i>Incl. J. Genome Res.</i> 1:1-16, World Scientific Publishing Company (1992)

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	AP						Yes No

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AR	87		Rajendrakumar, C.S.V., et al., "DNA helix destabilization by proline and betaine: possible role in the salinity tolerance process," <i>FEBS Lett.</i> 410:201-205, Elsevier Science B.V. (June 1997)
AS	87		Randall, K., et al., "Accumulation of natural and synthetic betaines by a mammalian renal cell line," <i>Biochem. Cell Biol.</i> 74:283-287, National Research Council of Canada (1996)
AT	87		Randall, K., et al., "Natural and synthetic betaines counter the effects of high NaCl and urea concentrations," <i>Biochim. Biophys. Acta</i> 1291:189-194, Elsevier Science B.V. (1996)

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	88	Rees, W.A., et al., "Betaine Can Eliminate the Base Pair Composition Dependence of DNA Melting," <i>Biochemistry</i> 32:137-144, American Chemical Society (1993)	
AS	88	Rothenberg, M., et al., "Oligodeoxynucleotides as Anti-Sense Inhibitors of Gene Expression: Therapeutic Implications," <i>J. Natl. Cancer Inst.</i> 81:1539-1544, Oxford University Press (1989)	
AT	88	Saiki, R.K., et al., "Primer-Directed Enzymatic Amplification of DNA with a Thermostable DNA Polymerase," <i>Science</i> 239:487-491, American Association for the Advancement of Science (1988)	

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Form PTO-1449		
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				APPLICANT Chu et al.			
				FILING DATE November 12, 1999		GROUP 1635	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AL						Yes
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	AO						Yes
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	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	82	Shepard, A.R., and Rae, J.L., "Magnetic bead capture of cDNAs from double-stranded plasmid cDNA libraries," <i>Nucleic Acids Res.</i> 25:3193-3195, Oxford University Press (August 1997)	
AS	82	Bioactive Peptides, 1993 Sigma Chemical Company Catalogue, St. Louis, MO, pp. 1028-1034, Sigma Chemical Company (1993)	
AT	82	Soltis, D.A., and Skalka, A.M., "The α and β chains of avian retrovirus reverse transcriptase independently expressed in <i>Escherichia coli</i> : Characterization of enzymatic activities," <i>Proc. Natl. Acad. Sci. USA</i> 85:3372-3376, National Academy Press (1988)	

EXAMINER	DATE CONSIDERED
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				FILING DATE November 12, 1999		GROUP 1635	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AM						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	20	Stopeck, A.T., et al., "Phase I Study of Direct Gene Transfer of an Allogeneic Histocompatibility-Antigen, HLA-B7, in Patients With Metastatic Melanoma," J. Clin. Oncol. 15:341-349, American Society of Clinical Oncology (January 1997)	
AS	20	Szoka Jr., F., and Papahadjopoulos, D., "Comparative properties and methods of preparation of lipid vesicles (liposomes)," Annu. Rev. Biophys. Bioeng. 9:467-508, Annual Reviews, Inc. (1980)	
AT	20	Tang, D-c., et al., "Genetic immunization is a simple method for eliciting an immune response," Nature 356:152-154, Nature Publishing Group (1992)	

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				APPLICANT Chu et al.			
				FILING DATE November 12, 1999		GROUP 1615	

U.S. PATENT DOCUMENTS							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	21		Thompson, L., "A Shot in the Arm for Vaccine Problems," Washington Post, p. A03 (June 7, 1993)
AS	21		Uhlmann, E., and Peyman, A., "Antisense Oligonucleotides: A New Therapeutic Principle," Chem. Rev. 90:544-584, American Chemical Society (1990).
AT	21		Ulmer, J.B., et al., "Heterologous Protection Against Influenza by Injection of DNA Encoding a Viral Protein," Science 259:1745-1749, American Association for the Advancement of Science (1993)

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				FILING DATE November 12, 1999		GROUP 1635	
U.S. PATENT DOCUMENTS							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	22	Urdea, M.S., "Branched DNA Signal Amplification," Bio/Technology 12:926-928, Nature Publishing Company (1994)				
	AS	22	van der Krol, A.R., et al., "Modulation of Eukaryotic Gene Expression by Complementary RNA or DNA Sequences," BioTechniques 6:958-976, Eaton Publishing Company (1988)				
	AT	22	Varadaraj, K. and Skinner, D.M., "Denaturants or cosolvents improve the specificity of PCR amplification of a G-C-rich DNA using genetically engineered DNA polymerases," Gene 140:1-5, Elsevier Science B.V. (1994)				
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				FILING DATE November 12, 1999		GROUP 1635	

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	AN						Yes No
	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	91	Voytik-Harbin, S.G., et al., "Identification of Extractable Growth Factors From Small Intestinal Submucosa," J. Cell. Biochem. 67:478-491, Wiley-Liss, Inc. (December 1997)	
AS	91	Wagner, E., et al., "Transferrin-polycation-DNA complexes: The effect of polycations on the structure of the complex and DNA delivery to cells," Proc. Natl. Acad. Sci. USA 88:4255-4259, National Academy Press (1991)	
AT	91	Wang, B., et al., "Gene inoculation generates immune responses against human immunodeficiency virus type 1," Proc. Natl. Acad. Sci. USA 90:4156-4160, National Academy Press (1993)	

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	AL						No
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	AM						No
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	AN						No
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	AO						No
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	AP						No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	24	Weissensteiner, T., and Lanchbury, J.S., "Strategy for Controlling Preferential Amplification and Avoiding False Negatives in PCR Typing," <i>BioTechniques</i> 21:1102-1108, Eaton Publishing Company (1996)	
AS	24	Wen, W., et al., "Identification of a Signal for Rapid Export of Proteins from the Nucleus," <i>Cell</i> 82:463-473, Cell Press (1995)	
AT	24	Wickstrom, E.L., et al., "Human promyelocytic leukemia HL-60 cell proliferation and c-myc protein expression are inhibited by an antisense pentadecadeoxynucleotide targeted against c-myc mRNA," <i>Proc. Natl. Acad. Sci. USA</i> 85:1028-1032, National Academy Press (1988)	

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				FILING DATE November 12, 1999		GROUP 1635	

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	25	Wickstrom, E., et al., "Down-Regulation of c-MYC Antigen Expression in Lymphocytes of Eμ-c-myc Transgenic Mice Treated with Anti-c-myc DNA Methylphosphonates," <i>Cancer Res.</i> 52:6741-6745, American Association for Cancer Research (1992)
	AS	25	Woodford, K., et al., "The Use of K ⁺ -free buffers eliminates a common cause of premature chain termination in PCR and PCR sequencing," <i>Nucleic Acids Res.</i> 23:539, Oxford University Press (1995)
	AT	25	Zaitsev, S.V., et al., "H1 and HMGI7 extracted from calf thymus nuclei are efficient DNA carriers in gene transfer," <i>Gene Ther.</i> 4:586-592, Stockton Press (June 1997)

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				FILING DATE November 12, 1999		GROUP 1635	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							Yes
	AL						No
							Yes
	AM						No
							Yes
	AN						No
							Yes
	AO						No
							Yes
	AP						No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	26	"Voyager" - The Power of Translocation," Expressions 6:6, Life Technologies, Inc. (February 1999)	
AS	26	Dialog File 351, Accession No. 8899481, Derwent WPI English language abstract for WO 93/08130 A1 (Document AO12)	
AT	26	Dialog File 351, Accession No. 10428036, Derwent WPI English language abstract for DE 44 11 588 C1 (Document AN14)	

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		FILING DATE November 12, 1999		GROUP 1635	

U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	27	Dialog File 351, Accession No. 10524091, Derwent WPI English language abstract for DE 44 11 594 C1 (Document AP14)	
AS	27	Dialog File 351, Accession No. 10655226, Derwent WPI English language abstract for WO 96/08723 A1 (Document AL15)	
AT	27	Copy of co-pending U.S. Patent Application No. 09/266,935, filed March 12, 1999, inventors Li et al. (NOT PUBLISHED)	

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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				FILING DATE November 12, 1999		GROUP 1635	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	28	Copy of co-pending U.S. application 09/570,526, filed May 12, 2000, inventors Astatke et al. (NOT PUBLISHED)				
	AS	28	Copy of co-pending U.S. application 09/608,066, filed June 30, 2000, inventors Astatke et al. (NOT PUBLISHED)				
	AT						
EXAMINER						DATE CONSIDERED	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN3	AU 158,967	02/07/1952	Australia			Yes No
	AO3	GB 892,413	03/28/1962	Great Britain			Yes No
	AP3	EP 0 187 702 B1	07/16/1986	Europe			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
	AS		
	AT	5.	Albarella, J.P. et al., "Monoadduct forming photochemical reagents for labeling nucleic acids for hybridization," Chemical Abstracts 111:385-386, Abstract No. 130176h, American Chemical Society (1989)

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL4	WO 87/02061 A1	04/09/1987	WIPO			Yes No
	AM4	WO 90/09786 A1	09/07/1990	WIPO			Yes No
	AN4	EP 0 304 111 B1	10/16/1991	Europe			Yes No X
	AO4	WO 91/04668 A1	04/18/1991	WIPO			Yes No X
	AP4	WO 91/04753 A1	04/18/1991	WIPO			Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	2	Aumailley, M., et al., "Cell-Attachment Properties of Collagen Type VI and Arg-Gly-Asp Dependent Binding to its $\alpha 2(VI)$ and $\alpha 3(VI)$ Chains," Exp. Cell Res. 181:463-474, Academic Press, Inc. (1989)				
	AS	2	Barthel, F., et al., "Laboratory Methods: Gene Transfer Optimization with Lipospermine-Coated DNA," DNA Cell Biol. 12:553-560, Mary Ann Liebert, Inc. (1993)				
	AT	2	Behr, J-P., "Synthetic Gene-Transfer Vectors," Acc. Chem. Res. 26:274-278, American Chemical Society (1993)				
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL5	WO 91/08191 A1	06/13/1991	WIPO			Yes No
	AM5	WO 91/07947 A1	06/13/1991	WIPO			Yes No
	AN5	DD 290 877 A5	06/13/1991	Germany			Yes X No
	AO5	WO 91/15501 A1	10/17/1991	WIPO			Yes No
	AP5	WO 91/16024 A1	10/31/1991	WIPO			Yes No

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AR	8	Bielinska, A., et al., "Regulation of in vitro gene expression using antisense oligonucleotides or antisense expression plasmids transfected using starburst PAMAM dendrimers," <i>Nucleic Acids Res.</i> 24:2176-2182, Oxford University Press (1996)
AS	8	Bonifaci, N., et al., "Nuclear translocation of an exogenous fusion protein containing HIV Tat requires unfolding," <i>AIDS</i> 9:995-1000, Rapid Science Publishers (1995)
AT	8	Braunlin, W.H., et al., "Equilibrium Dialysis Studies of Polyamine Binding to DNA," <i>Biopolymers</i> 21:1301-1314, John Wiley & Sons, Inc. (1982)

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL6	WO 92/13570 A2	08/20/1992	WIPO			Yes X No
	AM6	WO 92/21752 A1	12/10/1992	WIPO			Yes No
	AN6	EP 0 359 347 B1	12/23/1992	Europe			Yes No
	AO6	WO 92/22635 A1	12/23/1992	WIPO			Yes No
	AP6	WO 93/05162 A1	03/18/1993	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	2	Budker, V.G., et al., "Protein/Amphipathic Polyamine Complexes Enable Highly Efficient Transfection with Minimal Toxicity," <i>Biotechniques</i> 23:139-147, Eaton Publishing Company (July 1997)	
AS	2	Caminati, G., et al., "Photophysical Investigation of Starburst Dendrimers and Their Interactions with Anionic and Cationic Surfactants," <i>J. Am. Chem. Soc.</i> 112:8515-8522, American Chemical Society (1990)	
AT	2	Carrasco, L., "Modification of Membrane Permeability Induced by Animal Viruses Early in Infection," <i>Virology</i> 113:623-629, Academic Press, Inc. (1981)	

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	AL7	WO 93/07282 A1	04/15/1993	WIPO			Yes X No
	AM7	WO 93/07283 A1	04/15/1993	WIPO			Yes X No
	AN7	AU-B-26526/92	05/03/1993	Australia			Yes No
	AO7	EP 0 544 292 A2	06/02/1993	Europe			Yes X No
	AP7	WO 93/19768 A1	10/14/1993	WIPO			Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	10	Carrasco, L., and Esteban, M., "Modification of Membrane Permeability in Vaccinia Virus-Infected Cells," Virology 117:62-69, Academic Press, Inc. (1982)				
	AS	10	Ciccarone, V., et al., "Cationic liposome-mediated transfection of eukaryotic cells: High efficiency nucleic acid delivery with lipofectin®, lipofectace™, and lipofectamine™ reagents," FASEB J. 7:A1131, Abstract No. 454, Federation of American Societies for Experimental Biology (1993)				
	AT	10	Ciccarone, V., et al., "DMRIE-C reagent for transfection of suspension cells and for RNA transfections," Focus 17:84-87, Life Technologies, Inc. (1995)				
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	AL8	WO 94/04696 A1	03/03/1994	WIPO			Yes No
	AM8	WO 94/05624 A1	03/17/1994	WIPO			Yes No
	AN8	WO 94/23751 A1	10/27/1994	WIPO			Yes No X
	AO8	WO 95/02397 A1	01/26/1995	WIPO			Yes No
	AP8	WO 95/21259 A1	08/10/1995	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	11	Citovsky, V., et al., "Nuclear Localization of Agrobacterium VirE2 Protein in Plant Cells," Science 256:1802-1805, American Association for the Advancement of Science (1992)	
AS	11	Cotten, M., et al., "Transferrin-polycation-mediated introduction of DNA into human leukemic cells: Stimulation by agents that affect the survival of transfected DNA or modulate transferrin receptor levels," Proc. Natl. Acad. Sci. USA 87:4033-4037, National Academy Press (1990)	
AT	11	Cotten, M., et al., "High-efficiency receptor-mediated delivery of small and large (48 kilobase gene constructs using the endosome-disruption activity of defective or chemically inactivated adenovirus particles," Proc. Natl. Acad. Sci. USA 89:6094-6098, National Academy Press (1992)	

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	AL9	WO 95/24221 A1	09/14/1995	WIPO			Yes No
	AM9	WO 95/31557 A1	11/23/1995	WIPO			Yes No
	AN9	WO 96/01841 A1	01/25/1996	WIPO			Yes No
	AO9	WO 96/10038 A1	04/04/1996	WIPO			Yes No
	AP9	WO 96/05218 A1	02/22/1996	WIPO			Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	12	Curiel, D.T., et al., "Adenovirus enhancement of transferrin-polylysine-mediated gene delivery," <i>Proc. Natl. Acad. Sci. USA</i> 88:8850-8854, National Academy Press (1991)				
	AS	12	Curiel, D.T., et al., "High-Efficiency Gene Transfer Mediated by Adenovirus Coupled to DNA-Polylysine Complexes," <i>Hum. Gene Ther.</i> 3:147-154, Mary Ann Liebert, Inc. (1992)				
	AT	12	Curiel, D.T., et al., "Gene Transfer to Respiratory Epithelial Cells via the Receptor-mediated Endocytosis Pathway," <i>Am. J. Respir. Cell Mol. Biol.</i> 6:247-252, American Thoracic Society (1992)				
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	AL10	WO 96/15811 A1	05/30/1996	WIPO			Yes No
	AM10	WO 96/22321 A1	07/25/1996	WIPO			Yes No
	AN10	WO 96/22765 A1	08/01/1996	WIPO			Yes No
	AO10	WO 96/31549 A1	10/10/1996	WIPO			Yes No X
	AP10	WO 98/14439 A1	04/09/1998	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	13	Dattagupta, N.P., and Albarella, J.P., "Photochemical nucleic acid-labeling reagent having a polyalkylamine spacer," <i>Chemical Abstracts</i> 114:383, Abstract No. 114:78227w, American Chemical Society (1991)	
AS	13	Dayhoff, M.O., et al., "A Model of Evolutionary Change in Proteins," in <i>Atlas of Protein Sequence and Structure</i> , Vol. 5, Suppl. 3, Dayhoff, M.O., ed., National Biomedical Research Foundation, Washington, D.C. pp.345-352 (1978)	
AT	13	De Robertis, E.M., et al., "Intracellular migration of nuclear proteins in <i>Xenopus</i> oocytes," <i>Nature</i> 272:254-256, Macmillan Journals, Ltd. (1978)	

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	14	Dedhar, S., et al., "A Cell Surface Receptor Complex for Collagen Type I Recognizes the Arg-Gly-Asp. Sequence." J. Cell Biol. 104:585-593, The Rockefeller University Press (1987)	
AS	14	Demeneix, B.A., et al., "Gene transfer into intact vertebrate embryos," Int. J. Dev. Biol. 35:481-484, UBC Press (1991)	
AT	14	Dingwall, C., and Laskey, R.A., "Nuclear targeting sequences - a consensus?" Trends Biochem. Sci. 16:478-481, Elsevier Science Publishers, (UK) (1991)	

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	15	Dingwall, C., et al., "Human immunodeficiency virus 1 tat protein binds trans-activation-responsive region (TAR) RNA in vitro," <i>Proc. Natl. Acad. Sci. USA</i> 86:6925-6929, National Academy Press (1989)	
AS	15	Düzgünes, N., et al., "Fusion of Liposomes Containing a Novel Cationic Lipid, N-[2,3-(Diocleyloxy)propyl]-N,N,N-trimethylammonium: Induction by Multivalent Anions and Asymmetric Fusion with Acidic Phospholipid Vesicles," <i>Biochemistry</i> 28:9179-9184, American Chemical Society (1989)	
AT	15	Dwarkan, V.J., et al., "Cationic Liposome-Mediated RNA Transfection," <i>Methods Enzymol.</i> 217:644-654, Academic Press, Inc. (1993)	

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)		
AR	16	Epand, R.M., et al., "Peptide Models for the Membrane Destabilizing Actions of Viral Fusion Proteins," <i>Biopolymers</i> 32:309-314, John Wiley & Sons, Inc. (1992)
AS	16	Eytan, G.D., "Use of Liposomes for reconstitution of biological functions," <i>Biochim. Biophys. Acta</i> 694:185-202, Elsevier Biomedical Press (1982)
AT	16	Fawell, S., et al., "Tat-mediated delivery of heterologous proteins into cells," <i>Proc. Natl. Acad. Sci. USA</i> 91:664-668, National Academy Press (1994)

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AR	17	Felgner, P.L., and Ringold, G.M., "Cationic liposome-mediated transfection," <i>Nature</i> 337:387-388, Nature Publishing Group (1989)	
AS	17	Finlay, D.R., et al., "Nuclear transport in vitro," <i>J. Cell Sci. Suppl.</i> 11:225-242, The Company of Biologists Ltd. (1989)	
AT	17	FitzGerald, D.J.P., et al., "Adenovirus-Induced Release of Epidermal Growth Factor and Pseudomonas Toxin into the Cytosol of KB Cells during Receptor-Mediated Endocytosis," <i>Cell</i> 32:607-617, Cell Press (1983)	

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AR	18	Frankel, A.D., et al., "Activity of synthetic peptides from the Tat protein of human immunodeficiency virus type 1," <i>Proc. Natl. Acad. Sci. USA</i> 86:7397-7401, National Academy Press (1989)	
AS	18	Friedlander, D.R., et al., "Functional Mapping of Cytotactin: Proteolytic Fragments Active in Cell-Substrate Adhesion," <i>J. Cell Biol.</i> 107:2329-2340, The Rockefeller University Press (1988)	
AT	18	Gao, X., and Huang, L., "Potentiation of Cationic Liposome-Mediated Gene Delivery by Polycations," <i>Biochemistry</i> 35:1027-1036, American Chemical Society (1996)	

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	19	Garcia-Bustos, J., et al., "Nuclear protein localization," <i>Biochim. Biophys. Acta</i> 1071:83-101, Elsevier Science Publishers B.V. (1991)	
AS	19	Gardner, J.M., and Hynes, R.O., "Interaction of Fibronectin with Its Receptor on Platelets," <i>Cell</i> 42:439-448, Cell Press (1985)	
AT	19	Garrigues, B., and Vidaud, L., "Synthesis of spermine and spermidine selectively substituted on the secondary amine functions," <i>Chemical Abstracts</i> 111:593, Abstract No. 23282t, American Chemical Society (1989)	

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	20	Goldfarb, D.S., et al., "Synthetic peptides as nuclear-localization signals," Nature 322:641-644, Nature Publishing Group (1986)	
AS	20	Goldfarb, D., and Michaud, N., "Pathways for the nuclear transport of proteins and RNAs," Trends Cell Biol. 1:20-24, Elsevier Science Publishers, Ltd (UK) (1991)	
AT	20	Gould-Fogerite, S., et al., "Chimerasome-mediated gene transfer in vitro and in vivo," Gene 84:429-438, Elsevier (1989)	

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	AP						Yes No

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AR	21	Grant, D.S.; et al., "Two Different Laminin Domains Mediate the Differentiation of Human Endothelial Cells into Capillary-like Structures In Vitro," Cell 58:933-943, Cell Press (1989)	
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Form PTO-1449

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				FILING DATE November 12, 1999		GROUP 1615	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	22	Hagstrom, J.E., et al., "Complexes of non-cationic liposomes and histone H1 mediate efficient transfection of DNA without encapsulation," <i>Biochim. Biophys. Acta</i> 1284:47-55, Elsevier Science B.V. (1996)	
AS	22	Hamana, K., et al., "N-Methylthermospermine in leguminous seeds," <i>Chemical Abstracts</i> 117:427, Abstract No. 117:86723g, American Chemical Society (1992).	
AT	22	Harbottle, R.C., et al., "RGD-mediated gene delivery and expression in epithelial cells," <i>Gene Therapy and Molecular Medicine. Keystone Symposium, Steamboat Springs, CO., March 26-April 1, 1995, J. Cell Biochem. Suppl.</i> 21A:394, Abstract No. C6-321, Wiley-Liss (1995)	

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)		
AR	23	Haverstick, D.M., et al., "Inhibition of Platelet Adhesion to Fibrinogen, Fibrinogen, and von Willebrand Factor Substrates by a Synthetic Tetrapeptide Derived From the Cell-Binding Domain of Fibrinogen," Blood 66:946-952, Harcourt Brace Jovanovich (1985)
AS	23	Hawley-Nelson, P., et al., "LipofectAMINE" reagent: A new, higher efficiency polycationic liposome transfection reagent," Focus 15:73-79, Life Technologies, Inc. (1993)
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	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	24	Huckett, B., et al., "Evidence for targeted gene transfer by receptor-mediated endocytosis," <i>Biochem. Pharmacol.</i> 40:253-263, Pergamon Press (1990)	
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AT	24	Humphries, M.J., et al., "Identification of Two Distinct Regions of the Type III Connecting Segment of Human Plasma Fibronectin That Promote Cell Type-specific Adhesion," <i>J. Biol. Chem.</i> 262:6886-6892, American Society for Biochemistry and Molecular Biology (1987)	

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)		
AR	25	Ito, A., et al., "Synthetic cationic amphiphiles for liposome-mediated DNA transfection," <i>Biochem. Incl.</i> 22:235-241, Academic Press Australia (1990)
AS	25	Kalderon, D., et al., "A Short Amino Acid Sequence Able to Specify Nuclear Location," <i>Cell</i> 39:499-509, Cell Press (1984)
AT	25	Kamata, H., et al., "Amphiphilic peptides enhance the efficiency of liposome-mediated DNA transfection," <i>Nucleic Acids Res.</i> 22:536-537, Oxford University Press (1994)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	25	Kaneda, Y., et al., "The Improved Efficient Method for Introducing Macromolecules into Cells Using HVJ (Sendai Virus) Liposomes with Gangliosides," Exp. Cell Res. 173:56-69, Academic Press, Inc. (1987)	
AS	25	Kaneda, Y., et al., "Introduction and Expression of the Human Insulin Gene in Adult Rat Liver," J. Biol. Chem. 264:12126-12129, The American Society for Biochemistry and Molecular Biology, Inc. (1989)	
AT	25	Kaneda, Y., et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378, American Association for the Advancement of Science (1989)	

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)		
AR	27	Karlsson, S., et al., "Transfer of genes into hematopoietic cells using recombinant DNA viruses," <i>Proc. Natl. Acad. Sci. USA</i> 82:158-162, National Academy Press (1985)
AS	27	Kielian, M., and Helenius, A., "Entry of Alphaviruses" in <i>The Togaviridae and Flaviviridae</i> , Schlesinger, S., and Schlesinger, M.J., eds., Plenum Press, New York, NY, pp.91-119 (1986)
AT	27	Kirsch, T., et al., "Cloning, High-Yield Expression in <i>Escherichia coli</i> , and Purification of Biologically Active HIV-1 Tat Protein," <i>Protein Expr. Purif.</i> 8:75-84, Academic Press, Inc. (1996)

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	28	Klappe, K., et al., "Parameters Affecting Fusion between Sendai Virus and Liposomes. Role of Viral Proteins, Liposome Composition, and pH," <i>Biochemistry</i> 25:8252-8260, American Chemical Society (1986)	
AS	28	Knodis, Z., and Valiuliene, S., "New reactions of 1,1-diamines," <i>Chemical Abstracts</i> 120:1056, Abstract No. 270276b, American Chemical Society (1994)	
AT	28	Konopka, K., et al., "Enhancement of human immunodeficiency virus type 1 infection by cationic liposomes: the role of CD4, serum and liposome-cell interactions," <i>J. Gen. Virol.</i> 72:2685-2696, Society for General Microbiology (1991)	

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	29	Kraaijeveld, C.A. et al., "The effect of liposomal charge on the neutralizing antibody response against inactivated encephalomyocarditis and Semliki Forest viruses," Clin. Exp. Immunol. 56:509-514, Blackwell Scientific Publications (1984)	
AS	29	Kukowska-Latallo, J.F., et al., "Efficient transfer of genetic material into mammalian cells using Starburst polyamidoamine dendrimers," Proc. Natl. Acad. Sci. USA 93:4897-4902, National Academy Press (1996)	
AT	29	Lanford, R.E., et al., "Comparison of Diverse Transport Signals in Synthetic Peptide-Induced Nuclear Transport," Exp. Cell Res. 186:32-38, Academic Press, Inc. (1990)	

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	30	Lanford, R.E., et al., "Induction of Nuclear Transport With a Synthetic Peptide Homologous to the SV40 T Antigen Transport Signal," Cell 46:575-582, Cell Press (1986)	
AS	30	Lapidot, M., and Loyer, A., "Fusion-Mediated Microinjection of Liposome-Enclosed DNA into Cultured Cells with the Aid of Influenza Virus Glycoproteins," Exp. Cell Res. 189:241-246, Academic Press, Inc. (1990)	
AT	30	Lawler, J., et al., "Cell Attachment to Thrombospondin: The Role of ARG-GLY-ASP, Calcium, and Integrin Receptors," J. Cell. Biol. 107:2351-2361, The Rockefeller University Press (1988)	

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	11	Ledley, F.D., "Clinical Considerations in the Design of Protocols for Somatic Gene Therapy," Hum. Gene Ther. 2:77-83, Mary Ann Liebert, Inc. (1991)	
AS	11	Legendre, J-Y., et al., "Delivery of Plasmid DNA into Mammalian Cell Lines Using pH-Sensitive Liposomes: Comparison with Cationic Liposomes," Pharm. Res. 9:1235-1242, Plenum Publishing Corporation (1992)	
AT	11	Legendre, J-Y., et al., "Cyclic amphipathic peptide-DNA complexes mediate high-efficiency transfection of adherent mammalian cells," Proc. Natl. Acad. Sci. USA 90:893-897, National Academy Press (1993)	

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AR	22	Life Technologies 1993-1994 Catalog and Reference Guide, pp. 9-19 to 9-21, I-66, R-48 to R-51, Life Technologies, Inc. (1993)	
AS	22	Liljeström, P., and Garoff, H., "A new generation of animal cell expression vectors based on the Semliki Forest virus replicon," <i>Biotechnology (N.Y)</i> 9:1356-1361, Nature Publishing Company (1991)	
AT	22	Loeffler, J-P., and Behr, J-P., "Gene Transfer into Primary and Established Mammalian Cell Lines with Lipopolyamine-Coated DNA," <i>Methods Enzymol.</i> 217:599-618, Academic Press, Inc. (1993)	

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AS	33	Malone, R.W. et al., "Cationic liposome-mediated RNA transfection," Proc. Natl. Acad. Sci. USA 86:6077-6081, National Academy Press (1989)	
AT	33	Mann, D.A., and Frankel, A.D., "Endocytosis and targeting of exogenous HIV-1 Tat protein," EMBO J. 10:1733-1739, Oxford University Press (1991)	

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	AR	34	Marshall M., et al., "Interactions of Semliki Forest Virus Spike Glycoprotein Rosettes and Vesicles with Cultured Cells," J. Cell Biol. 96:455-461, The Rockefeller University Press (1983)				
	AS	34	Mason, P.W., et al., "RGD sequence of foot-and-mouth disease virus is essential for infecting cells via the natural receptor but can be bypassed by an antibody-dependent enhancement pathway," Proc. Natl. Acad. Sci. USA 91:1932-1936, National Academy Press (1994)				
	AT	34	Mazur, W., et al., "The Efficiency of Lipofectin-Mediated Gene Transfer into Porcine and Human Coronary Smooth Muscle Cells is Dramatically Improved by the Influenza Virus Hemagglutinin Antigen," J. Am. Coll. Cardiol. Suppl. 21:186A, Abstract No. 889-31, Elsevier (1993)				

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	15	Miyahara, A., et al., "Partial Cell-Free Assembly of VSV-G Pseudotyped Retrovirus Particles," <i>Molecular and Cell Biology of Gene Therapy</i> , Keystone, Colorado, meeting date January 19-25, 1998, Abstract No. 007, p.14, Keystone Symposia (December 1997)				
	AS	15	Murata, M., et al., "Modification of the N-terminus of membrane fusion-active peptides blocks the fusion activity," <i>Biochem. Biophys. Res. Commun.</i> 179:1050-1055, Academic Press, Inc. (1991)				
	AT	15	Neugebauer, J.M., "Detergents: An Overview," <i>Methods Enzymol.</i> 182:239-253, Academic Press, Inc. (1990)				

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	36	Otero, M.J., and Carrasco, L., "Proteins are Cointernalized with Virion Particles during Early Infection," <i>Virology</i> 160:75-80, Academic Press, Inc. (1987)	
AS	36	Parente, R.A., et al., "Association of a pH-Sensitive Peptide with Membrane Vesicles: Role of Amino Acid Sequence," <i>Biochemistry</i> 29:8713-8719, American Chemical Society (1990)	
AT	36	Parente, R.A., et al., "Mechanism of Leakage of Phospholipid Vesicle Contents Induced by the Peptide GALA," <i>Biochemistry</i> 29:8720-8728, American Chemical Society (1990)	

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	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	17	Pastan, I.H., and Willingham, M.C., "Journey to the Center of the Cell: Role of the Receptosome," <i>Science</i> 214:504-509, American Association for the Advancement of Science (1981)	
AS	17	Pepinsky, R.B., et al., "Specific Inhibition of a Human Papillomavirus E2 Trans-Activator by Intracellular Delivery of Its Repressor," <i>DNA Cell Biol.</i> 13:1011-1019, Mary Ann Liebert, Inc. (1994)	
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	38	Pierschbacher, M.D., and Ruoslahti, E., "Cell attachment activity of fibronectin can be duplicated by small synthetic fragments of the molecule," <i>Nature</i> 309:30-33, Nature Publishing Group (1984)	
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AT	38	Pinnaduwage, P., et al., "Use of a quaternary ammonium detergent in liposome mediated DNA transfection of mouse L-cells," <i>Biochim. Biophys. Acta</i> 985:33-37, Elsevier (1989)	

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	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	19	Poster: Gu et al., "Lipid Vesicles as Carriers for Introducing Biologically Active Materials into Cells," <i>Methods Cell Biol.</i> 14:33-71, Academic Press, Inc. (1976)	
AS	19	"Eukaryotic transcription and Reporter Systems", 1993/94 Promega Catalog, p.251 Promega Corporation (1993)	
AT	12	Remy, J-S., et al., "Targeted gene transfer into hepatoma cells with lipopolyamine-condensed DNA particles presenting galactose ligands: A stage toward artificial virus," <i>Proc. Natl. Acad. Sci. USA</i> 92:1744-1748, National Academy Press (1995)	

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21. On 11/12/99, the applicant has previously submitted information in connection with this application.

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	AP					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	40	Rihs, H-P., et al., "The rate of nuclear cytoplasmic protein transport is determined by the casein kinase II site flanking the nuclear localization sequence of the SV40 T-antigen," <i>EMBO J.</i> 10:633-639, Oxford University Press (1991)	
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AT	40	Rose, J.K., et al., "A New Cationic Liposome Reagent Mediating Nearly Quantitative Transfection of Animal Cells," <i>Biotechniques</i> 10:520-525, Eaton Publishing Company (1991)	

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	41	Rosenkranz, A.A., et al., "Receptor-Mediated Endocytosis and Nuclear Transport of a Transfecting DNA Construct," Exp. Cell Res. 199:321-329, Academic Press, Inc. (1992)	
AS	41	Ruoslahti, E., and Pierschbacher, M.D., "New Perspectives in Cell Adhesion: RGD and Integrins," Science 238:491-497, American Association for the Advancement of Science (1987)	
AT	41	Sands, J.A., "Virucidal activity of cetyltrimethylammonium bromide below the critical micelle concentration," FEMS Microbiol. Lett. 36:261-263, Elsevier (1986)	

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	42	Schlegel, R., et al., "Inhibition of VSV Binding and Infectivity by Phosphatidylserine: Is Phosphatidylserine a VSV-Binding Site?" Cell 32:639-646, Cell Press (1983)	
AS	42	Schlegel, R., and Wade, M., "Biologically Active Peptides of the Vesicular Stomatitis Virus Glycoprotein," J. Virol. 53:319-323, American Society for Microbiology (1985)	
AT	42	Scheule, R.K., "Novel Preparation of Functional Sindbis Virosomes," Biochemistry 25:4223-4232, American Chemical Society (1986)	

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	43	Schmid, M., and Sehn, J.P., "Location of Spermine and Other Polyamines on DNA As Revealed by Photoaffinity Cleavage with Polyaminobenzene Diazonium Salts," Biochemistry 30:4357-4361, American Chemical Society (1991)	
AS	43	Seth, P., et al., "Pathway of Adenovirus Entry into Cells," in Virus Attachment and Entry into Cells, Crowell, R.L., and Lonberg-Holm, K., eds., American Society for Microbiology, Washington, D.C., pp. 191-195 (1986)	
AT	43	Silver, P.A., "How Proteins Enter the Nucleus," Cell 64:489-497, Cell Press (1991)	

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	AN						Yes No
	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	44	Smith, C.E. and Ludwig, S.H. "Enhancement of the plaque-forming capacity of poliovirus ribonucleic acid with basic proteins," J. Bacteriol. 84:1035-1040, The Williams & Wilkins Company (1962)	
AS	44	Stegmann, T., et al., "Protein-mediated membrane fusion," Annu. Rev. Biophys. Biophys. Chem. 18:187-211, Annual Reviews, Inc. (1989)	
AT	44	Sugawa, H., et al., "Large Macromolecules Can Be Introduced into Cultured Mammalian Cells Using Erythrocyte Membrane Vesicles," Exp. Cell Res. 159:410-418, Academic Press, Inc. (1985)	

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	AN						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	45	Suzuki, S., et al., "Complete amino acid sequence of human vitronectin deduced from cDNA. Similarity of cell attachment sites in vitronectin and fibronectin," <i>EMBO J.</i> 4:2519-2524, IRL Press, Ltd. (1985)	
AS	45	Tang, M.X., et al., "In Vitro Gene Delivery by Degraded Polyamidoamine Dendrimers," <i>Bioconj. Chem.</i> 7:703-714, American Chemical Society (1996).	
AT	45	Tikhonenko, T.I., et al., "Transfer of condensed viral DNA into eukaryotic cells using proteoliposomes," <i>Gene</i> 63:321-330, Elsevier (1988)	

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	AN					Yes
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	AO					Yes
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	AP					Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)						
	AR	46	"Transfection Reagent" in Genetic Engineering News, Mary Ann Liebert, Inc., p. 12, column 3, (June 1993)			
	AS	46	Trubetskoy, V.S., et al., "Use of N-terminal Modified Poly(L-lysine)-Antibody Conjugate as a Carrier for Targeted Gene Delivery in Mouse Lung Endothelial Cells," Bioconjug. Chem. 3:323-327, American Chemical Society (1992)			
	AT	46	Väänänen, P., and Kääriäinen, L., "Fusion and Haemolysis of Erythrocytes caused by Three Togaviruses: Semliki Forest, Sindbis and Rubella," J. Gen. Virol. 46:467-475, Cambridge University Press (1980)			
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AR	47	van Zee, K., et al., "A Hydrophobic Protein Sequence Can Override a Nuclear Localization Signal Independently of Protein Context," Mol. Cell. Biol. 11:5137-5146, American Society for Microbiology (1991)
AS	47	Vivès, E., et al., "A Truncated HIV-1 Tat Protein Basic Domain Rapidly Translocates through the Plasma Membrane and Accumulates in the Cell Nucleus," J. Biol. Chem. 272:16010-16017, The American Society for Biochemistry and Molecular Biology, Inc. (June 1997)
AT	47	Wagner, E., et al., "Coupling of adenovirus to transferrin-polylysine/DNA complexes greatly enhances receptor-mediated gene delivery and expression of transfected genes," Proc. Natl. Acad. Sci. USA 89:6099-6103, National Academy Press (1992)

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Form PTO-1449		
ATTY DOCKET NO. 61-03A	SERIAL NO. 10/629,522	FILING DATE 7/28/2003
APPLICANT Chu et al.		GROUP 1642

Previously Submitted in:

FORM PTO-1449		ATTY. DOCKET NO. 0942.4650001/RWE/THN		APPLICATION NO. 09/438,365	
SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		APPLICANT Chu et al.		FILING DATE November 12, 1999	
				GROUP 1635	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	48	Wagner, E., et al., "Transferrin-polycation conjugates as carriers for DNA uptake into cells," Proc. Natl. Acad. Sci. USA 87:3410-3414, National Academy Press (1990)	
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	50	Wickham, T.J., et al., "Targeting of adenovirus penton base to new receptors through replacement of its RGD motif with other receptor-specific peptide motifs," Gene Ther. 2:750-756, Stockton Press (1995)	
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AT	50	Wolff, J.A., et al., "Direct Gene Transfer into Mouse Muscle in Vivo," Science 247:1465-1468, American Association for the Advancement of Science (1990)	

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U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	51	Wu, G.Y., and Wu, C.H., "Receptor-mediated Gene Delivery and Expression in Vivo," J. Biol. Chem. 263:14621-14624, The American Association for Biochemistry and Molecular Biology, Inc. (1988)
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AT	51	Wu, G.Y., and Wu, C.H., "Evidence for Targeted Gene Delivery to Hep G2 Hepatoma Cells in Vitro," Biochemistry 27:887-892, American Chemical Society (1988)

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				FILING DATE November 12, 1999		GROUP 1635	

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
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AS	52	Yagi, K., et al., "Incorporation of Histone into Liposomes Increases the Efficiency of Liposome-Mediated Gene Transfer," J. Clin. Biochem. Nutr. 10:21-25, Institute of Applied Biochemistry (1991)	
AT	52	Yoshimura, K., et al., "Adenovirus-mediated Augmentation of Cell Transfection with Unmodified Plasmid Vectors," J. Biol. Chem. 268:2300-2303, The American Association for Biochemistry and Molecular Biology, Inc. (1993)	

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	53	Young, J.D.-E., et al., "Interaction of Enveloped Viruses With Planar Bilayer Membranes: Observations on Sendai, Influenza, Vesicular Stomatitis, and Semliki Forest Viruses," <i>Virology</i> 128:186-194, Academic Press, Inc. (1983)	
AS	53	Zenke, M., et al., "Receptor-mediated endocytosis of transferrin-polycation conjugates: An efficient way to introduce DNA into hematopoietic cells," <i>Proc. Natl. Acad. Sci. USA</i> 87:3655-3659, National Academy Press (1990)	
AT	53	Zhou, X., and Huang, L., "DNA transfection mediated by cationic liposomes containing lipopolylysine: characterization and mechanism of action," <i>Biochim. Biophys. Acta</i> 1189:195-203, Elsevier Science B.V. (1994)	

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U.S. PATENT DOCUMENTS							
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	54	Zhu, Z., et al., "Transformation of tobacco protoplasts with DNA entrapped in pH-sensitive liposomes," Plant Cell, Tissue & Organ Cult. 22:135-145, Kluwer Academic Publishers (1990)	
AS	54	CAPLUS, Accession No. 1972:461856, STNEasy CAPLUS English language abstract for Hetschko, M., and Gosselck, J., "Reaktionen von sulfoniumsalzen des 1,3-dithiolans und seiner 2,2-substitutionsprodukte," Tetrahedron Lett. 17:1691-1692, Pergamon Press (1972) (Document AT23)	
AT	54	Dialog File 351, Accession No. 7672839, Derwent WPI English language abstract for EP 0 304 111 B1 (Document AN4)	

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		FILING DATE November 12, 1999		GROUP 1635	

U.S. PATENT DOCUMENTS							
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)		
AR	55	Dialog File 351, Accession No. 8628544, Derwent WPI English language abstract for WO 91/04668 A1 (Document AO4)
AS	55	Dialog File 351, Accession No. 8822189, Derwent WPI English language abstract for DD 290 877 A5 (Document AN5)
AT	55	Dialog File 351, Accession No. 9150067, Derwent WPI English language abstract for WO 92/13570 A2 (Document AL6)

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APPLICANT Chu et al.		GROUP 1642

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	56	Dialog File 351, Accession No. 9417386, Derwent WPI English language abstract for WO 93/07282 A1 (Document AL7)	
AS	56	Dialog File 351, Accession No. 9440951, Derwent WPI English language abstract for WO 93/07283 A1 (Document AM7)	
AT	56	Dialog File 351, Accession No. 9483543, Derwent WPI English language abstract for EP 0 544 292 A2 (Document AO7)	

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	57	Dialog File 351, Accession No. 10073779, Derwent WPI English language abstract for WO 94/23751 A1 (Document AN8)
AS	57	Dialog File 351, Accession No. 10968033, Derwent WPI English language abstract for WO 96/31549 A1 (Document AO10)
AT		

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APPLICANT Chu		GROUP 1635

U.S. PATENT DOCUMENTS

Exmr. Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	6,399,663	06/04/02	Haces et al.	514	642	
	6,020,202	02/01/00	Jessee	435	458	
	5,834,439	11/10/98	Haces et al.	514	42	
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	5,635,487	06/03/97	Wolff et al.	514	44	
	3,369,905	02/20/68	Jones et al.	96	107	
	3,324,182	06/06/67	De Brunner et al.	260	583	
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	WO 98/19709	05/14/98	PCT	A61K 47/48		
	WO 97/42819	11/20/97	PCT	A01N 37/18		
	WO 96/40961	12/19/96	PCT	C12N 15/88		
	WO 94/27435	12/08/94	PCT	A01N 25/26		
	WO 93/14778	08/05/93	PCT	A61K 37/00		
	WO 93/05162	03/18/93	PCT	C12N 15/63		

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	Gao, X. and Huang, L. (1993), "Cationic Liposomes and Polymers for Gene Transfer," J. Liposome Res. 3(1):17-30

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